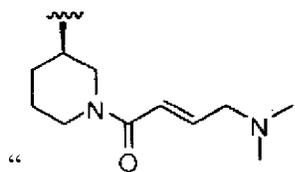
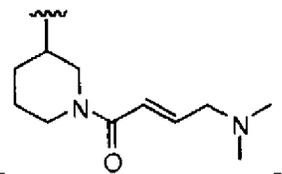


Column 103, between lines 53 and 60: delete the following structure for compound 15:



“ and replace with the following structure: --



In the Claims

Column 109, lines 1-2, Claim 13: delete “**13.** The method of claim 1, wherein the irreversible covalent Btk inhibitor has an  $IC_{50}$  of less than 1  $\mu M$ .” and replace with --**13.** The method of claim 1, wherein the irreversible covalent Btk inhibitor has an  $IC_{50}$  of less than 1  $\mu M$ .--

Column 109, lines 3-4, Claim 14: delete “**14.** The method of claim 1, wherein the irreversible covalent Btk inhibitor has an  $IC_{50}$  of less than 0.2504.” and replace with --**14.** The method of claim 1, wherein the irreversible covalent Btk inhibitor has an  $IC_{50}$  of less than 0.25  $\mu M$ .--